

## SEQUENCE LISTING

<110> Cohen, David I.  
<120> Tat-based Tolerogen Compositions and Method of Making and Using Same  
<130> 51311-00001  
<150> 60/553733  
<151> 2004-03-16  
<150> 60/649021  
<151> 2005-01-31  
<150> 10/456865  
<151> 2003-06-06  
<150> 09/636057  
<151> 2000-08-08  
<160> 11  
<170> PatentIn version 3.2  
<210> 1  
<211> 101  
<212> PRT  
<213> Human immunodeficiency virus type 1  
<400> 1

Met Glu Pro Val Asp Pro Arg Leu Glu Pro Trp Lys His Pro Gly Ser  
1 5 10 15

Gln Pro Lys Thr Ala Cys Thr Thr Cys Tyr Cys Lys Lys Cys Cys Phe  
20 25 30

His Cys Gln Val Cys Phe Thr Lys Lys Ala Leu Gly Ile Ser Tyr Gly  
35 40 45

Arg Lys Lys Arg Arg Gln Arg Arg Arg Ala Pro Glu Asp Ser Gln Thr  
50 55 60

His Gln Val Ser Pro Pro Lys Gln Pro Ala Pro Gln Phe Arg Gly Asp  
65 70 75 80

Pro Thr Gly Pro Lys Glu Ser Lys Lys Val Glu Arg Glu Thr Glu  
85 90 95

Thr His Pro Val Asp  
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<212> DNA  
<213> Human immunodeficiency virus type 1

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 aaggccttgg gcatcagcta cggccgcaag aagcgccggc agcgccgccc ggccccctgag 180  
 gacagccaga cccaccaggt gagccctccc aagcagcccc ctccacagtt ccgcggcgac 240  
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<210> 3  
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Pro Val Asp Pro Arg Leu Glu Pro Trp Lys His Pro Gly Ser Gln Pro  
 1 5 10 15

Lys

<210> 4  
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Pro Cys Asp Trp Pro Leu Thr Pro Asp Pro Trp Val Tyr Ser Gly Ser  
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 Gln Pro Lys Val Pro  
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<210> 5  
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 <212> PRT  
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 <400> 5

Pro Leu Arg Glu Gln Glu Asn Ser Leu Glu Ser Ser Asn Glu Arg Ser  
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Ser Cys Ile Leu Glu Ala Asp Ala Thr Thr Pro  
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<210> 6  
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<400> 7

Cys Thr Thr Cys Tyr Cys Lys Lys Cys Cys Phe His Cys Gln Val Cys  
 1 5 10 15

<210> 8  
 <211> 50  
 <212> DNA  
 <213> Human immunodeficiency virus type 1

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<210> 9  
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ccc

63

<210> 10  
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<400> 10

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 <213> Artificial

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 <223> Modified immunostimulatory Tat

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Met Glu Pro Ser Asn Glu Arg Ser Ser Cys Glu Leu Glu Val Pro Lys  
 1 5 10 15

Thr Ala Cys Thr Thr Cys Tyr Cys Lys Lys Cys Cys Phe His Cys Gln  
 20 25 30

Val Cys Phe Thr Lys Lys Ala Leu Gly Ile Ser Tyr Gly Arg Lys Lys  
 35 40 45

Arg Arg Gln Arg Arg Ala Pro Glu Asp Ser Gln Thr His Gln Val  
 50 55 60

Ser Pro Pro Lys Gln Pro Ala Pro Gln Phe Arg Gly Asp Pro Thr Gly  
 65 70 75 80

Pro Lys Glu Ser Lys Lys Lys Val Glu Arg Glu Thr Glu Thr His Pro  
85 90 95

Val Asp